

## AKUSTO WALL C

## Visual design edge



The wall absorber should consist of glass fiber wall panels Ecophon Akusto Wall (edge C) with bevelled edge design creating a narrow groove between panels. Format 2700x600x40 mm installed with Ecophon Connect profile system: Connect Thinline Profile or Connect WP Profile.

The weight of the system (including profile system) should be approximately 5 kg/m<sup>2</sup>. The visible surface of the wall panel tile should be either of three alternatives. 1) Akutex™ FT, colour White Frost, painted surface with water-based paint. 2) Texona, colour sea salt, glass fiber based woven surface or 3) Super G, colour white 085, impact resistant glass fiber based woven surface.

**Installation:** The system should be installed according to Ecophon installation guides M354, M355, M356, M235 or M303.

**Visual appearance:** For Akutex™ FT, colour white Frost, nearest NCS colour is S 0500-N, light reflectance 85%. For Texona, colour sea salt, nearest NCS colour is S 0500-N, light reflectance 81%. For Super G, colour white 085, nearest NCS colour is S 1002-Y, light reflectance 78%

**Acoustic absorption:** The wall absorber should be of sound absorption class A, should have a weighted sound absorption coefficient  $\alpha_w$  of 1.00 and octave band practical sound absorption coefficients (overall depth of system: 50 mm) of:

Surface	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz
Akutex™ FT	0.25	0.80	0.95	1.00	1.00	1.00
Texona	0.25	0.80	1.00	1.00	1.00	1.00
Super G	0.25	0.75	1.00	1.00	1.00	1.00

Values should be measured according to EN ISO 354 and classification according to EN ISO 11654.

**Articulation Class:** At the level of intelligibility, the wall absorber should have an articulation class AC (1.5) = 240 according to ASTM E 1111 and E 1110.

**Fire safety:** The wall panels should be classified A2-s1, d0 according to EN 13501-1; the profile system should be A1. The glass wool core should be tested and classified as non-combustible according to EN ISO 1182.

**Mechanical Stability:** Wall panels should remain 100% stable in environments reaching up to 95% relative humidity and 30°C temperature. They should be tested according to EN 13964:2014, Annex F.

**Impact Resistance:** The wall absorber installed according to M354 and M355 with Super G surface are tested according to EN 13964 annex D and DIN 18032 part 3 and fulfils the demands corresponding to class 1A

**Indoor Health and Wellbeing:** The wall panels should comply with the French regulation on VOC emissions, A level. They should also be certified by the Finnish Building Information Group (RTS) with the M1 label. The panels should be free from Substances of Very High Concern (SVHC) above 100 ppm as defined by the European REACH regulation (No 1907/2006).

**Circularity:** The minimum post-recycled content of wall panels should be 65% for product with Texona surface, 65% for product with Akutex FT surface and 63% for product with Super G surface. Tiles and grids should be 100% recyclable.

**Maintenance:** Daily dusting, vacuum cleaning and weekly wet wiping if Super G or Akutex™ FT surface is used. Weekly dusting and vacuum cleaning if Texona surface is used.